



# Guarding for Manufacturing

## 1 Who Should Attend . . .

This program is a must for anyone concerned about health and safety on the job including:

- ▶ Managers concerned about liability and worker's compensation costs
- ▶ Employees who want to learn proper techniques for protecting their safety and health at work
- ▶ Business owners who want to learn about compliance with MIOSHA

## 2 Why you need this Workshop . . .

- ▶ To reduce disabling injuries and illnesses to employees - and to ensure that every worker goes home safe and healthy every day.
- ▶ To reduce the high direct costs of work-related injuries, which grew to \$42.5 billion nationally in 2000, and indirect costs, which were estimated at an additional \$127 - \$212 billion in 2002. (*2003 Liberty Mutual Safety Index.*)
- ▶ To enhance your company's bottom line. A strong safety and health commitment not only protects workers, it also reduces worker's compensation costs, improves employee morale, and increases production and quality.

## 3 What You'll Learn . . .

This program identifies the basic types of machine safeguards. Discussion includes fixed barrier, interlocked, and adjustable guards, as well as, safety devices used in addition to or in place of guards. The pros and cons of devices such as two-hand controls, light curtains, laser scanners, safety mats, and radio frequency are discussed. Job Safety Analysis is emphasized as a tool to recognize the hazards presented by machines and to aid in the selection of appropriate safeguarding means. Selected MIOSHA Standards specifically addressing guards are covered as well as guard construction and application.

### Agenda

*We offer a flexible  
program agenda  
to emphasize the  
topics you  
want most.*

- ▶ Industrial Machine Guarding
- ▶ Lockout/Tagout
- ▶ General Rules
- ▶ Metal Working Machinery
- ▶ Proper Guarding

# Facilitator

Bob Carrier was appointed to the MIOSHA Consultation Education and Training Division in 1989 as a consultant specializing in general industry standards in the mid-Michigan area. Bob brings with him his previous experience as the Safety Administrator at Allied Signal Aerospace Company. His experience includes safety program development, safety training and workers' compensation administration. Bob recently chaired the Division Plastics Committee where updated training was developed for the industry.

A graduate of Ferris State University with a B.A. degree in Occupational Safety and Health, and a member of the American Society of Safety Engineers, Bob offers a diversified background in safety training and consultation services.



**Bob Carrier**  
*Occupational Safety Consultant,  
MIOSHA, CET Division*

## Program Details

DATE:	January 12, 2005	TIME:	Check-in - 8:30 a.m. Program - 9:00 a.m. to 3:30 p.m.
LOCATION:	Mid-Michigan Community College 1375 S. Clare Ave. Harrison, MI	DEADLINE:	Register by January 7, 2005 Enrollment is limited to 40 participants, so please register early!
COST:	\$60 per person includes lunch and course materials.	CONTACT:	Karen Kleinhardt - 989.386.6629

*COSPONSOR: Mid-Michigan **Community College***

If this valuable seminar doesn't fit with your schedule or position, please pass this flyer on to a colleague.

## How to Register

Guarding for Manufacturing

Complete information at right to  
register by:

► **Phone:** 989.386.6629

► **Fax:** 989.802.0971

► **Mail:** Mid-Michigan Community  
College  
1375 S. Clare Ave.  
Harrison, MI 48625  
Attn: Karen Kleinhardt

Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Number Attending: \_\_\_\_\_ @ \$60 each = \$ \_\_\_\_\_

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